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Photovoltaic Array Management

Guest Editor:

Prof. Dr. Yihua Hu

Department of Electronic
Engineering, University of York,
Heslington, York YO10 5DD, UK

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Message from the Guest Editor

The use of solar energy sources is increasing and will play an important role in future power systems. As the core component of a solar power station, effective management of photovoltaic array affects the safe and stable operation of the entire system. With the advancement of photovoltaic technology, the requirements for the refined design of photovoltaic arrays are becoming higher and higher; for different modules and inverters, optimized module arrangement and wiring can reduce investment costs and increase system power generation.

In this Special Issue, we invite contributions to report the state-of-the-art developments in the fields of photovoltaic array management, including optimal configuration, temperature rise, mismatch, hot spot, multipeak output characteristics, array cleaning, non-uniform aging, fault diagnosis, power quality, applications of AI with regard to photovoltaic array, etc. However, special topics are not limited to the aforementioned ones.



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Inventions Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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